



Docket No.: 283729US0X PCT

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

**OBLON**  
**SPIVAK**  
**McCLELLAND**  
**MAIER**  
**&**  
**NEUSTADT**  
**P.C.**

ATTORNEYS AT LAW

RE: Application Serial No.: 10/564,446

Applicants: Kentaro HANADA, et al.

Filing Date: January 12, 2006

For: DRUG PROMOTING CERAMIDE TRANSPORT,  
BASE SEQUENCE FOR PRODUCING THE DRUG,  
METHOD OF MEASURING ACTIVITY OF  
PROMOTING CERAMIDE RELEASE AND  
METHOD OF MEASURING ACTIVITY OF  
PROMOTING INTERMEMBRANE CERAMIDE  
TRANSFER

Group Art Unit:

Examiner:

SIR:

Attached hereto for filing are the following papers:

**Notification of Missing Requirements (Return Copy); Filing of Declaration Under 37 CFR 1.53(f);  
Declaration (4 pp.; executed); Preliminary Amendment (Sequence Listing); Sequence Listing  
(Paper; 21 pp.); Computer-Readable Sequence Listing (Diskette); Supplemental Application Data  
Sheet**

Our credit card payment form in the amount of \$300.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.  
Norman F. Oblon

*Thomas M. Cunningham*  
\_\_\_\_\_  
Thomas M. Cunningham  
Registration No. 45,394

Customer Number

**22850**

(703) 413-3000 (phone)  
(703) 413-2220 (fax)



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
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U.S. APPLICATION NUMBER NO.

10/564,446

FIRST NAMED APPLICANT

Kentaro Hanada

ATTY. DOCKET NO.

283729US0X PCT

INTERNATIONAL APPLICATION NO.

PCT/JP04/04455

I.A. FILING DATE

03/29/2004

PRIORITY DATE

07/14/2003

22850

C. IRVIN MCCLELLAND

OBLON, SPIVAK, MCCLELLAND, MAIER &amp; NEUSTADT, P.C.

1940 DUKE STREET

ALEXANDRIA, VA 22314

CONFIRMATION NO. 7347

371 FORMALITIES LETTER



\*OC000000020694875\*

Date Mailed: 10/04/2006

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 01/12/2006
- English Translation of the IA filed on 01/12/2006
- Copy of the International Search Report filed on 01/12/2006
- Preliminary Amendments filed on 01/12/2006
- Information Disclosure Statements filed on 04/12/2006
- Request for Immediate Examination filed on 01/12/2006
- U.S. Basic National Fees filed on 01/12/2006
- Priority Documents filed on 01/12/2006
- Specification filed on 01/12/2006
- Claims filed on 01/12/2006
- Abstracts filed on 01/12/2006
- Drawings filed on 01/12/2006
- Paper nucleotide sequence listings filed on 01/12/2006

RECEIVED: 10-6-06  
OBLON, SPIVAK, McCLELLAND  
MAIER & NEUSTADT, P.C.

DOCKETING DEPT.

Initials/Date Docketed: ax/10-6-06  
Type of Resp(s): DD Fees 1 sep list  
Due Date(s): 12-4-06

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Additional claim fees of \$50 as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is **\$300** for a Large Entity:

- This application clearly fails to comply with the requirements of 37 CFR. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing", an initial paper or compact disc copy of the "Sequence Listing", **as well as an amendment specifically directing its entry into the application.** Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.
- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.
- The specification and drawings contain more than 100 pages. Applicant owes **\$250** for **12** pages in excess of **100** pages for a non-small entity.
- Total additional claim fee(s) for this application is **\$ 50**
  - \$50 for 2 total claims over 20.

12/04/2006 ATRAN1 00000038 10564446

01 FC:1681  
02 FC:1615

250.00 OP  
50.00 OP

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

**For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:**

- For Rules Interpretation, call (571) 272-0951
- For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patentin Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed

to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

WINSTON M ALVARADO

Telephone: (703) 308-9140 EXT 206

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/564,446	PCT/JP04/04455	283729US0X PCT

FORM PCT/DO/EO/905 (371 Formalities Notice)

Docket No. 283729US0X PCT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Kentaro HANADA, et al.

SERIAL NUMBER: 10/564,446

ATTN: APPLICATION BRANCH

FILING DATE: January 12, 2006

FOR: DRUG PROMOTING CERAMIDE TRANSPORT, BASE SEQUENCE FOR PRODUCING THE  
DRUG, METHOD OF MEASURING ACTIVITY OF PROMOTING CERAMIDE RELEASE  
AND METHOD OF MEASURING ACTIVITY OF PROMOTING INTERMEMBRANE  
CERAMIDE TRANSFER

**FILING OF DECLARATION UNDER 37 CFR 1.53(f)**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

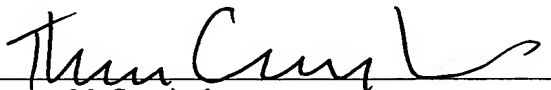
Responsive to the notification dated October 4, 2006, and in accordance with the provisions of 37 CFR 1.53(f), Applicants submit herewith a Rule 63 Declaration. The required fee was paid at the time of filing the application.

The Declaration enclosed herewith contains the Title of the Invention and Inventor(s) name(s) and is believed, in combination with the application serial number and filing date contained in this cover letter, to adequately identify the above-identified application in accordance with 37 CFR 1.63, as set forth in MPEP Section 601.01.

In light of the foregoing, this application is deemed to be in proper condition for examination and such favorable action is earnestly solicited.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.  
Norman F. Oblon

  
\_\_\_\_\_  
Thomas M. Cunningham  
Registration No. 45,394

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**22850**

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 05/03)